No.



9500030

THE UNITED STAYLES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Pioneer Hi-Bred International, Inc.

MICTERS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC EPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE CHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR RING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT ABY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'9092'

In Jestimonn Murcest, I have hereunto set my hand and caused the seal of the Mant Antieta Heatestion Office to be affixed at the City of Washington, D.C. this thirtioth day of November in the year of our Lord one thousand nine hundred and ninety-five.

Allest:

Mondre A. Strufn-Commissioner

Plant Variety Protection Office Agricultural Marketing Service

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE		
AGRICULTURAL MARKETING SERVICE SCIENCE DVISION		Application is required in order to determine it a plant variety protection
APPLICATION FOR PLANT VARIETY PROTEC	CTION CERTIFICATE	certificate is to be issued (7 U.S.C. 2421). Information is held contidents
NAME OF APPLICANT(S) (as it is to appear on the Certificate)	2. TEMPORARY DESIGNATION	until certificate is issued (7 U.S.C. 2426). 3. VARIETY NAME
Pioneer Hi-Bred International, Inc.	OR EXPERIMENTAL NO.	9092
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZIP)	5. PHONE (include area code)	
700 Capital Square	5. Thoric (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER
400 Locust St. Des Moines, IA 50309		9500030
Des Moines, IA 50309	(515)270-3582	Date
	·	NOVEMBER 8, 1994
GENUS AND SPECIES NAME 7. FAMILY NAME (B.	otanicall	Time
Glycine max Legumino		G A.M. 🗹 P.M.
8. CROP KIND NAME (Common Name)		F Filing and Examination Fee:
Soybean	9. DATE OF DETERMINATION	\$ 2,325. <u>99</u>
	September 1988	Date
 IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION association, etc.) 	(Corporation, partnership,	© OCTOBER 27, 1994
Corporation		E Certificate Fee:
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	12. DATE OF INCORPORATION	VI 300. 99
Iowa	1	O Date
	1926	SEPTEMBER 5, 1995
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN John Grace Mike	THIS APPLICATION AND RECEIVE ALL F	PAPERS
7300 NW 62nd Ave. 700 (Roth (copy)	Townst Of
PO Box 1004 Des 1	Capital square, 400 Moines, IA 50309	Locust St.
Johnston, IA 50131-1004	iolico, in 30303	
	PHONE (include area code):	
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTRUTE) a. Southibit A, Origin and Breeding History of the Variety b. Southibit B, Novetty Statement c. Southibit C, Objective Description of Variety d. Southibit D, Additional Description of Variety e. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Statement of the Basis of Applicant's Ownership f. Southibit E, Stat	10	/28/94
tv-least made payable to Treasurer of the Liv	nited States*	
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VAI Plant Variety Protection Act) YES (If "YES," answer items 16 and 17 below	RIETY NAME ONLY AS A CLASS OF CERT	NFIED SEED? (See section 83(a) of the
16. DOES THE APPLICANTIST SOCIETY PLAT THE COLOR	1 La NO (II NO, skip to item 18 bei	ow)
CIMITED AS TO NUMBER OF GENERATIONS?	S" TO ITEM 16, WHICH CLASSES OF PR	
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN	FOUNDATION REGISTERS	
		ED CERTIFIED
☐ YES (II "YES," through ☐ Plant Variety Protection Act ☐ Pateril	THE U.S.?	ED CERTIFIED
NO Patent	Act. Give date.	ED CERTIFIED
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES.)	Act. Give date.	CERTIFIED
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) NO	IN THE U.S. OR OTHER COUNTRIES?).
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) NO	IN THE U.S. OR OTHER COUNTRIES?).
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be fur such regulations as may be applicable.	IN THE U.S. OR OTHER COUNTRIES?). Dienished upon request in accordance with
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be full such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this year.	IN THE U.S. OR OTHER COUNTRIES? In the unit of the application and will be reported to the application and the application an). Dienished upon request in accordance with
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) NO 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plain section 41, and is entitled to protection under the provisions of section 42 of the Plain	IN THE U.S. OR OTHER COUNTRIES? urnished with the application and will be reported to the variety, and believe(s) that the variety is ant Variety Protection Act.). Dienished upon request in accordance with
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel pla in section 41, and is entitled to protection under the provisions of section 42 of the Pla Applicant(s) is (are) informed that false representation herein can jeopardize protection.	IN THE U.S. OR OTHER COUNTRIES? urnished with the application and will be reported to the variety, and believe(s) that the variety is ant Variety Protection Act.). Dienished upon request in accordance with
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel pla in section 41, and is entitled to protection under the provisions of section 42 of the Pla Applicant(s) is (are) informed that false representation herein can jeopardize protection GIGNATURE OF APPLICANT (Owner(s))	IN THE U.S. OR OTHER COUNTRIES? urnished with the application and will be reported to the variety, and believe(s) that the variety is ant Variety Protection Act.). Dienished upon request in accordance with
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel pla in section 41, and is entitled to protection under the provisions of section 42 of the Pta Applicant(s) is (are) informed that false representation herein can jeopardize protection GIGNATURE OF APPLICABIT [Owner(s)]	IN THE U.S. OR OTHER COUNTRIES? Unished with the application and will be rejected in the variety and believe(s) that the variety is ant Variety Protection Act.	olenished upon request in accordance with distinct, uniform, and stable as required DATE
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be fur such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel pla in section 41, and is entitled to protection under the provisions of section 42 of the Pta Applicant(s) is (are) informed that false representation herein can jeopardize protection and the provision of the Pta Applicant(s) is (are) informed that false representation herein can jeopardize protection and the provision of the Pta Applicant(s) is (are) informed that false representation herein can jeopardize protection and the provision of the Pta Applicant(s) is (are) informed that false representation herein can jeopardize protection and the provision of the pta Applicant(s) is (are) that false representation herein can jeopardize protection and the provision of the provision of the pta Applicant(s) is (are) that false representation herein can jeopardize protection and the provision of the pta Applicant(s) is (are) that the provision of the pta Applicant(s) is (are) that the provision of the pta Applicant (s) is (are) that the provision of the pta Applicant (s) is (are) t	IN THE U.S. OR OTHER COUNTRIES? Unished with the application and will be reported in the variety and believe(s) that the variety is ant Variety Protection Act. In and result in penalties. APACITY OR TITLE	Dienished upon request in accordance with distinct, uniform, and stable as required OATE
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plain section 41, and is entitled to protection under the provisions of section 42 of the Plain section (s) is (are) informed that false representation herein can jeopardize protection signature of Applicant(s) is (are) (Owner(s))	IN THE U.S. OR OTHER COUNTRIES? Unished with the application and will be rejected in the variety and believe(s) that the variety is ant Variety Protection Act.	Denished upon request in accordance with distinct, uniform, and stable as required DATE 10/21/94 Linator
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plain section 41, and is entitled to protection under the provisions of section 42 of the Plain section (s) is (are) informed that false representation herein can jeopardize protection signature of Applicant(s) is (are) (Owner(s))	IN THE U.S. OR OTHER COUNTRIES? Jurnished with the application and will be reported in the variety, and believe(s) that the variety is ant Variety Protection Act. The analysis of the variety of variety of the variety of the variety of the variety of the varie	Dienished upon request in accordance with distinct, uniform, and stable as required DATE
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED YES (If "YES," GIVE NAMES OF COUNTRIES AND DATES) 20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished to regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plain section 41, and is entitled to protection under the provisions of section 42 of the Plain section (s) is (are) informed that false representation herein can jeopardize protection signature of Applicant(s) is (are) (Owner(s))	IN THE U.S. OR OTHER COUNTRIES? Jurnished with the application and will be reported in the variety, and believe(s) that the variety is ant Variety Protection Act. The analysis of the variety of variety of the variety of the variety of the variety of the varie	Denished upon request in accordance with distinct, uniform, and stable as required DATE 10/21/94 Linator

EXHIBIT A

Breeding History of Pioneer Brand 9092 Soybean

Year	Activity
1985 (Summer)	Cross was made between Pioneer Brand 9061 and S15-50.
1985 to 1986	Population was advanced by modified single seed descent.
1987	F5 bulk was planted, single plants were selected and individually threshed.
1988	Seed from individual harvested F5 plants were planted in identified rows. Breeding staff selected the line based on visual appearance from progeny row 5500 in Redwood Falls, Minnesota and designated the line 3981R053.
1989	Preliminary yield trials (test: RFD10900, entry 14) were initiated in Minnesota. Based upon yield performance, the line was advanced to a regional trial in 1990.
1990	Grown in a regional trial as 3986R024 (test: RFA1B100, entry 19). Single plants were pulled from a bulk of the line grown in Redwood Falls, Minnesota during the summer.
1991	Advanced to multi-regional trials as W3986R024 (tests: RFA0L000, NPA0L000). Purification rows derived from single plants harvested in 1990 were grown in Redwood Falls, Minnesota. Offtype sublines discarded.
1992	Second year in wide area tests (designation: Y3986R024; tests: RFA0L000, NPA0L000, NPMC2600, NPMC2800). A 3.5 acre production block (breeder seed) was grown at Redwood Falls, MN.
1993	Third year in wide area tests (designation: XB08C, tests: RFA0E000, NPA0E000, NPVL2600, NPVL2800). A 140 acre parent seed increase (foundation seed equivalent) was grown in Wahpeton, ND.
1994	Based on superior yield performance and multi-race Phytophthora resistance, the line was released as Pioneer Brand 9092.

'9092' has undergone four years of extensive testing and purification. It has been observed by the breeding staff to be uniform and stable for all plant traits from generation to generation, with no evidence of variants.

Exhibit B: Novelty Statement Concerning 9092 Soybean

To our knowledge, '9092' soybean is most similar to its parent 'S15-50'. 9092 and S15-50 are the only varieties we know of which mature as mid Group I or earlier, and possess purple flowers, gray pubescence, gray hila, and the Rps1C allele for Phytophthora resistance to races 1, 2, 3, 7, 8, and 9.

However, 9092 differs from S15-50 in many ways including the following:

- 1. 9092 and S15-50 possess different isozyme profiles (Table 1).
- 2. 9092 matures significantly earlier than S15-50 (Table 2).

EXHIBIT C

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

SOYBEAN (Glycine max L.)

	·	
NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
Pioneer Hi-Bred International, Inc	•	9092
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code	,	FOR OFFICIAL USE ONLY
700 Capital Square		PVPO NUMBER
400 Locust St.		
Des Moines, IA 50309		9500030
Choose the appropriate response which characterizes the vari	ety in the features described l	pelow. When the number of significant digits
in your answer is fewer than the number of boxes provided,	place a zero in the first box w	hen number is 9 or less (e.g. [0]]
Starred characters * are considered fundamental to an adequ	ate souhean variate danning	or Och a land of the state of t
when information is available.	are soyocan variety description	on. Other characters should be described
1. SEED SHAPE:		
A W	•	•
	1.1	
L W	T	
1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)	2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)		L/T ratio > 1.2; T/W > 1.2)
2. SEED COAT COLOR: (Mature Seed)	·	
, and a second final and second		•
1 1 = Yellow 2 = Green 3 = Brown	4 = Black 5 = Other (Canaiful
	4 Didek 5 - Other J.	Specify)
3. SEED COAT LUSTER: (Mature Hand Shelled Seed)		
Control of the contro		·
1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy	'- 'Gaeov 17'\	•
2 5 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	, dasay 177	•
4. SEED SIZE: (Mature Seed)		
(4. SEED SIZE: (Mature Seed)		
1 3 Grams per 100 seeds		
Grants ber 100 seeds		
5. HILUM COLOR: (Mature Seed)		·
1=8-#		
4 1 = Buff 2 = Yellow 3 = Brown 4	Gray 5 = Imperfect Blac	k 6 = Black 7 = Other (Specify)
		
6. COTYLEDON COLOR: (Mature Seed)		
1 1 = Yellow 2 = Green		
1 renow 2 - Green		
7 CCED PROTEIN PEROVIDAGE ACTUAL		
7. SEED PROTEIN PEROXIDASE ACTIVITY:		÷.
2 1 = Low 2 = High		
8. SEED PROTEIN ELECTROPHORETIC BAND:	<u> </u>	
		•
1 = Type A (SP1 ^a) 2 = Type B (SP1 ^b)		
9. HYPOCOTYL COLOR:		
3 1 = Green only ('Evans'; 'Davis') 2 = Green with t	ronze band below cotyledons ("W	Inoduserb's (Trans)
3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')		roodwords, tracy ;
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'C	oker Hampton 266A')	
10. LEAFLET SHAPE:		
	•	·
3 1 = Lanceolate 2 = Oval 3 = Ovate	4 - 0.1	•
3 1 = Lanceolate 2 = Oval 3 = Ovate	4 = Other (Specify)	

FORM LMGS-470-57 (6-83)

(Edition of 2-82 is obsolete.)

										
11	. LEAF	LET SIZE:								
	2	1 = Small 3 = Large	('Amsoy 71'; 'A53 ('Crawford'; 'Trac	312') y')	2 = Medi	um ('Corso _'	/ 79'; 'Gasoy 17')			
12	. LEAF	COLOR:				·				
	2		Green ('Weber'; 'Y Green ('Gnome'; 'T		2 = Mediu	um Green ('	Corsoy 79°; 'Braxi	ton')	-	
* 13	. FLOY	VER COLOR:	 :	~~~~ <u>.</u>						
	2	1 = White	2 = F	urple	3 = White wi	th purple th	roat			
★ 14.	POD (COLOR:	 ,							
	2	1 = Tan	2 = Brov	vn 3	= 8lack					
★ 15.	PLAN	T PUBESCEN	NCE COLOR:	<u> </u>				- • • • • • • • • • • • • • • • • • • •	····	
	1	1 = Gray	2 = Brov	vn (Tawny)						
16.	PLAN	T TYPES:								
	3		r ('Essex'; 'Amsoy ('Gnome'; 'Govan'		2 = Intern	nediate ('Ar	ncor'; 'Braxton')			
★ 17,	PLAN	T HABIT:					·	<u> </u>		
	3	1 = Determ 3 = Indeter	ninate ('Gnome'; '8 rminate ('Nebsoy';	raxton') 'Improved Pelical	2 = Semi-[n')	Determinate	· ('Will')			
18.	MATU	RITY GROU	P:							
	0 3	1 = 000 9 = VI	2 = 00 10 = VII	3 = 0 11 = VIII	4 = I 12 = IX	5 = II 13 = X	6 = III	7 = IV	8 = V	
19.	DISEA	SE REACTIO	N: (Enter 0 = No	t Tortadi 1 = C			·			
				t 1 esteu; 1 = Susc	:eptible;	sistant)				
٠		TERIAL DISE	:ASES:							
X		Bacterial Pu	ustule (Xanthomon	as phaseoli var. s	ojensis)					
*	1	Bacterial Bl	light (<i>Pseudomona</i> :	glycinea)						
*	0	Wildfire (Ps	eudomonas tabacij	1						
	FUNGA	AL DISEASES	S:							•
*	1		t (Septoria glycines	:)						
		Frogeye Lea	af Spot (Cercospor	a sojina)						
*	0	Race 1 _	0 Race 2	0 Race 3	3 O F	Race 4	0 Race 5	Other	(Specify)	
	0	Target Spot	(Corynespora cass	iicola)						
	0	Downy Mild	lew (Peronospora t	rifoliorum var. m	anshurica)					
	0	Powdery Mi	idew (Microsphaer	a diffusa)						
*		Brown Stem	Rot <i>(Cephalospor</i>	ium gregatum)		:				
	0	Stem Canker	r (Diaporthe phase	olorum var. cauli	vora)					

	IUN: (Enter 0 = Not Tested; 1 = Susceptible; 2	= Resistant) (Continued)	
	ASES: (Continued)	, , , , , , , , , , , , , , , , , , , ,	
Pod and S	Stem Blight (Diaporthe phaseolorum var; sojae)		• -
1 Purple Se	ed Stain (<i>Cercospora kikuchii)</i>		
1 Rhizocto	nia Root Rot (Rhizoctonia solani)		
Phytopht	hora Rot <i>(Phytophthora megasperma</i> var. sojae)	•	
★ 2 Race 1	2 Race 2 2 Race 3 1		5 0 Race 6 2 Race 7
2 Race 8	2 Race 9 2 Other (Specify)	10, 13, 17, 21	
VIRAL DISEAS	ES:		
Bud Blight	t (Tobacco Ringspot Virus)		
1 Yellow Mo	osaic (Bean Yellow Mosaic Virus)		
★ 1 Cowpea M	osaic (Cowpea Chlorotic Virus)		
Pod Mottle	e (Bean Pod Mottle Virus)		
★ 1 Seed Motti	e (Soybean Mosaic Virus)		
NEMATODE DIS	EASES;		
Soybean C	yst Nematode (Heterodera glycines)		
★ 0 Race 1	0 Race 2 1 Race 3 0	Race 4 Other	(Specify)
0 Lance Nem	atode (Hoplolaimus Colombus)		
Southern R	oot Knot Nematode (Meloidogyne incognita)		•
★ 0 Northern R	oot Knot Nematoda (Meloidogyn a Hapla)		
O Peanut Roo	It Knot Nematode (Meloidogyne arenaria)		
O Reniform N	ematode (Rotylenchulus reniformis)		
1 OTHER DIS	SEASE NOT ON FORM (Specify): White	mold (Sclerotini	a sclerotiorum)
→ 111	ESPONSES: (Enter 0 = Not Tested; 1 = Suscep	tible; 2 = Resistant)	
i non chiores	sis on Calcareous Soil		
·	ífy)		
	(Enter 0 = Not Tested; 1 = Susceptible; 2 = Re	esistant)	
.[]	n Beetle (Epilachna varivestis)		
O Potato Leaf	Hopper (Empoasca fabae)		
Other (Special	fy)		
22. INDICATE WHICH V	ARIETY MOST CLOSELY RESEMBLES THA	T SUBMITTED.	
CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	S15-50	Seed Coat Luster	9061
Leaf Shape	\$15-50	Seed Size	9041
Leaf Color Leaf Size	9061	Seed Shape	9041
	9061	Seedling Pigmentation	9061
FORM LMGS-470-57 (6-83)			

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS	PLANT LODGING	CM PLANT	LEAFL	ET SIZE	SEED CON	ITENT	SEED SIZE G/100	NO. SEEDS
	MATURITY	SCORE	HEIGHT	CM Width	CM Length	% Protein	% Oil	SEEDS	POD
9092 Submitted	131.0		46	4.3	8.2	40.3	22.0	11.1	
S15-50 Name of Similar Variety	139.5		57	5.4	9.2	41.6	20.2	12.0	

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

- 1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
- 2. Buttery, B.R. and R.t. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
- 3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
- 4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

Exhibit D:

In Exhibit C we have identified 9092 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle, and seed mottle. This does not mean that we consider 9092 to be worse than other varieties of similar maturity in reaction to these challenges. Rather, we do not consider 9092 to be immune to them. Therefore, we have chosen to be conservative and have identified 9092 as "susceptible".

Variety 9092 is a late group 0 variety. If group 0 maturities are divided into tenths, the relative maturity of 9092 is 0.9.

Exhibit E.

Variety '9092' was originated and developed by plant breeders from whom, by agreement, Pioneer Hi-Bred International has obtained exclusive rights to protect and market variety '9092'. No rights to such invention, discovery, or development are retained by the plant breeders or by any other party.

1995,12-06

09:10 #350 P.02/02



United States Department of Agriculture Agricultural Marketing Service

Science and Technology Division Plant Variety Protection Office NAL Building, Room 500 10391 Baltimora Bivd. Baltsville, MD 20705-2351

December 4, 1995

Dr. John Grace Pioneer Righ-Bred International 7300 NW 62nd Ave. P.O. Box 1004 Johnston, Iowa 50131-1004

Dear Dr. Grace:

SUBJECT: PVP application no. 9500030, '9204' soybean: Exhibit E, statement of the basis of the applicant's ownership

Before final recommendation for issuance can be made for '9204', certain information needs to be supplied regarding the statement of the basis for ownership. The rights of an applicant to a variety, for plant variety protection purposes, are derived from the original breeder. It is thus necessary to determine the rights that original breeder would have had (or has) under the Plant Variety Protection Act had he or she desired to apply for plant variety protection.

Please supply responses to the following questions:

NOTE: It is not requested nor are you required to reveal the identity of the original breeder.

Is the applicant the original breeder. ?	Yes	No
If no, please answer the following: a. If original rights to variety were owned by individual is (are) the original breeder(s) a U.S. national(s)?	(s): Yes	No
If no, give country		* 10
b. If original rights to variety were owned by company: Is the original breeder u U.S. based company?	Yes	No
If no. give country		

Sincerely.

Jeffrey L. Strachan, Examiner Plant Variety Protection Office Telephone: 301-504-5489

FAX: 301-504-5291

Affan have, the

Original breeder may be individual company who directed final breeding. See PVPA \$41(a)(2) for definition.



Table 1. Isozyme profiles for 9092 and S15-50.

Variety	·				Isoz	yme			,			
	ACO2	ACO3	ACO4	ACP	DIA	ENP	IDH1	IDH2	MDH	MPI	PGM1	PHI1
				Al	lele	Desig	nation					
9092 \$15-50	2 2	1	1	A A	B A	A A	2 1	2 1	B B	ВВ	2 2	1 1

Key:

Aconitase: ACO2, ACO3, ACO4

Acid Phosphatase: ACP

Diaphorase: DIA Endopeptidase: ENP

Isocitrate Dehydrogenase: IDH1, IDH2

Malate Dehydrogenase: MDH

Mannose 6-Phosphate Isomerase: MPI

Phosphoglucomutase: PGM

Phosphoglucose Isomerase: PHI

Table 2. Paired comparison of 9092 versus S15-50 for days to maturity.

All observations are from plots planted using a randomized complete block design. Planted plot length was 21 feet, trimmed to 15 feet. Plot width was 30 inch rows, or 10 feet. Maturity was scored as the number of days from planting until 95% of the pods in the plot were mature. Data was taken in 1993.

Year,	/Location/Rep	9092 (X1) S	9092 (X1) S15-50 (X2)		
		days			
1993	106D Rep 1	131.0	139.0	-8.0	64.00
1993	106D Rep 2	131.0	138.0	-7.0	49.00
1993	106D Rep 3	131.0	141.0	-10.0	100.00
1993	106D Rep 4	131.0	140.0	-9.0	81.00
1993	106I Rep 1	133.0	136.0	-3.0	9.00
1993	106I Rep 2	131.0	135.0	-4.0	16.00
1993	106I Rep 3	131.0	136.0	-5.0	25.00
1993	1061 Rep 4	134.0	135.0	-1.0	1.00
SUM		1053.0	1100.0	-47.0	344.00
MEAN	•	131.6	137.5	-5 . 9 =	· d

N = 8 groups of individuals

SE DIFF
$$(s_{\overline{d}}) = \frac{344 - [(-47)^2/8]}{(8)(7)} = 1.10$$
 $T = |\overline{d}/s_{\overline{d}}| = \frac{5.9}{1.10} = 5.34$, significant for 7 degrees of freedom at the 0.01 level